



EMPLOYMENT OPPORTUNITY

Research Scientist 2 (Wildlife Biometrician)

\$4770.00 – \$6257.00 Range: 64

Recruitment 1279-09

Opens: November 16, 2009

Closes: January 31, 2010

Job Summary

This is a fulltime, permanent position located in Olympia, Washington. In consultation with the Wildlife Diversity and Game Division Program Managers and field staff, and reporting to the Wildlife Program Chief Scientist, this position performs fully qualified professional statistical and data analysis work for all wildlife species managed by WDFW. Duties include advising Wildlife Program Managers, project leaders and biologists in project planning, sampling, experimental design and data analysis. Specific to game data, this position has lead responsibility for conducting annual harvest estimate analysis and special hunt permit analysis. Principal activities include:

- Providing advice on statistical and mathematical analyses
- Identifying study objectives and creating compatible sampling programs and experimental designs
- Collaborating with principle investigators in data analysis and interpretation
- Conducting established and *ad hoc* hunter harvest statistical analyses and reporting activities associated with mandatory reporting data for big game species and turkey, including estimating non-reporting bias
- Conducting hunter questionnaire surveys to estimate hunter harvest statistics for non-mandatory reporting species; evaluating data for accuracy and completeness

Working Conditions

This position is located in the Natural Resources Building, Olympia, Washington. Typical hours are 8 – 5 Monday through Friday, with occasional travel required.

This position is covered by a collective bargaining agreement between the State of Washington, Department of Fish & Wildlife, and the Washington Association of Fish and Wildlife Professionals (WAFWP), which contains a "union security" provision. As a condition of employment you must either join the union and pay union dues, or pay the union a representational or other fee within 30 days of the date you are put into pay status.

Competencies and Qualifications

Well qualified applicants for this position will demonstrate competencies in the following areas:

- Comprehensive knowledge of relevant statistical techniques such as logistic regression, maximum likelihood methods, open and close population mark-recapture models, Bayesian statistical inference, AIC Information-Theoretic approach to data modeling, calculus, and advanced matrix algebra
- Advanced understanding of the principles of experimental design and population measurement
- Familiarity with basic field methodologies frequently used in data collection associated with harvest management, wildlife population restoration and recovery and applied research studies
- Proficiency in written communications demonstrated by successful publication of manuscripts as lead and collaborating author in peer reviewed journals or other outlets; effective English grammar, punctuation, and vocabulary at the college level
- Demonstrated ability to develop and conduct training workshops for an audience that does not have significant statistical data analysis training or understanding
- Expertise in multiple computer programming languages such as SAS, S-Plus (or other object oriented programming language like R), Mathematica, or other advance statistical software packages, advanced features of Excel and Microsoft Access

Required qualifications. A Doctoral degree with a major in mathematics, statistics, animal population or management, or in wildlife science or fisheries management with emphasis in mathematics or statistics relative to animal population biology or management, or a Master's degree with a major in mathematics, statistics or population biology with three years of experience designing statistical or mathematical research in population biology or population management is required.

Preferred qualifications include at least two years experience writing and using SAS (Statistical Analysis Software) programs to perform complex statistical analyses, working with databases, SAS datasets, relational databases, and SQL, and computer programming in Windows or UNIX environments. Experience programming in object-oriented languages C, C++, VB is also preferred.

How to Apply

This recruitment will close on or before January 31, 2010. Qualifications will be reviewed as applications are received, and the position may be filled prior to that date. You are encouraged to submit your application materials as soon as possible.

Review the qualifications and competencies sought for this recruitment. **Submit a completed state job application and a detailed resume** showing how you meet those qualifications and competencies. Be specific in listing relevant education and training you completed and in describing the work experiences and other accomplishments that demonstrate how you meet the competencies. Send your application materials to:

Margaret Gordon, Recruitment Specialist
Human Resource Office, Department of Fish and Wildlife,
600 Capitol Way North, Olympia, WA 98501-1091

(Phone: 360-902-2209)

Or by e-mail to: WDFWjobs@dfw.wa.gov

The Department of Fish and Wildlife is an equal opportunity employer. We strive to create a working environment that includes and respects cultural, racial, and ethnic, sexual orientation and gender identity diversity. Women, racial and ethnic minorities, persons with disabilities, persons over 40 years of age, disabled and Vietnam era veterans and people of all sexual orientations and gender identities, are encouraged to apply. Persons needing accommodation in the application process or this announcement in an alternative format may call (360) 902-2276 or the Telecommunications Device for the Deaf (360) 902-2207.